

S40 A8 We claim:

1. A message-processing agent operable in a Scalable Interface system, the
2 message-processing agent comprising:
3 a receiver designed to receive an object from a space in the Scalable Interface system;
4 a default routing identifying a destination for the object; and
5 a routing module designed to route the object to the destination.

1 2. A message-processing agent according to claim 1, the message-processing
2 agent further comprising a user preference setting including a second destination for the
3 object.

1 3. A message-processing agent according to claim 2, wherein the second
2 destination is identical to the destination.

1 4. A message-processing agent according to claim 2, wherein the second
2 destination is different from the destination.

1 5. A message-processing agent according to claim 2, wherein the user preference
2 setting includes a plurality of distinct destinations for the object.

1 6. A message-processing agent according to claim 5, wherein the message-
2 processing agent is designed to route the object sequentially to each distinct destination for
3 the object until the object is received at a first destination.

1 7. A message-processing agent according to claim 6, wherein the message-
2 processing agent is designed to place a second object in the space for a sequence agent to
3 sequentially route the object to each distinct destination for the object until the object is
4 received at the first destination.

1 8. A message-processing agent according to claim 5, wherein the message-
2 processing agent is designed to broadcast the object to each distinct destination for the object
3 until the object is received at a first destination.

1 9. A message-processing agent according to claim 8, wherein the message-
2 processing agent is designed to place a second object in the space for a broadcast agent to
3 broadcast the object to each distinct destination for the object until the object is received at
4 the first destination.

1 10. A message-processing agent according to claim 2, wherein the second
2 destination includes routing instructions based on the source of the object.

1 11. A message-processing agent according to claim 1, wherein the first destination
2 includes a telephone.

1 12. A message-processing agent according to claim 1, the message-processing
2 agent further comprising a registration entry for a user.

Sub A9 ~~13. A method for using a message-processing agent to process an object in a space
2 in a Scalable Interface system, the method comprising:
3 receiving an object;
4 accessing a preference setting; and
5 routing the object according to the preference setting.~~

1 14. A method according to claim 13, wherein receiving an object includes
2 receiving notice of the object from the space in the Scalable Interface system.

1 15. A method according to claim 13, wherein accessing a preference setting
2 includes selecting a preference setting according to an ultimate recipient of the object.

1 16. A method according to claim 15, wherein selecting a preference setting
2 includes selecting a user preference setting according to the ultimate recipient if the user
3 preference setting exists.

Sub A10 ~~17. A method according to claim 16, wherein selecting a user preference setting
2 includes checking to see if the ultimate recipient of the object is registered with the Scalable
3 Interface system.~~

1 18. A method according to claim 15, wherein selecting a preference setting
2 includes selecting a default routing according to the ultimate recipient if no user preference
3 setting exists.

1 19. A method according to claim 13, wherein routing the object includes sending
2 the object to a destination.

Sub A ~~20.~~ 20. A method according to claim 13, wherein routing the object includes:
1 determining at least two destinations for the object; and
2 placing a sequence object in the space in the Scalable Interface system for a sequence
3 agent to sequentially route the object to each destination for the object until the object is
4 received.

1 21. A method according to claim 13, wherein routing the object includes:
2 determining at least two destinations for the object; and
3 placing a broadcast object in the space in the Scalable Interface system for a broadcast
4 agent to broadcast the object to each destination for the object until the object is received.

~~22.~~ 22. A computer-readable medium containing a program to use a message-
1 processing agent to process an object in a space in a Scalable Interface system, the program
2 comprising:
3 receiving software to receive the object;
4 accessing software to access a preference setting; and
5 routing software to route the object according to the preference setting.

1 23. A computer-readable medium according to claim 22, wherein the receiving
2 software includes receiving software to receive notice of the object from the space in the
3 Scalable Interface system.

1 24. A computer-readable medium according to claim 22, wherein the accessing
2 software includes selection software to select a preference setting according to an ultimate
3 recipient of the object.

1 25. A computer-readable medium according to claim 24, wherein the selection
2 software includes selection software to select a user preference setting according to the
3 ultimate recipient if the user preference setting exists.

Sub A22 26. A computer-readable medium according to claim 25, wherein the selection
2 software includes checking software to check if the ultimate recipient of the object is
3 registered with the Scalable Interface system.

1 27. A computer-readable medium according to claim 24, wherein the selection
2 software includes selection software to select a default routing according to the ultimate
3 recipient if no user preference setting exists.

1 28. A computer-readable medium according to claim 22, wherein the routing
2 software includes sending software to send the object to a first destination.

Sub A23 29. A computer-readable medium according to claim 22, wherein the routing
2 software includes:
3 determination software to determine at least two destinations for the object; and
4 placing software to place a sequence object in the space in the Scalable Interface
5 system for a sequence agent to sequentially route the object to each destination for the object
6 until the object is received.

1 30. A computer-readable medium according to claim 22, wherein the routing
2 software includes:
3 determination software to determine at least two destinations for the object; and
4 placing software to place a broadcast object in the space in the Scalable Interface
5 system for a broadcast agent to broadcast the object to each destination for the object until the
6 object is received.

1 31. A message-processing agent operable in a Scalable Interface system, the
2 message-processing agent comprising:
3 means for receiving for receive the object;

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4 means for accessing a preference setting; and

5 means for routing the object according to the preference setting.

1 32. A method according to claim 31, wherein the means for receiving includes

2 means for receiving notice of the object from the space in the Scalable Interface system.

1 33. A method according to claim 31, wherein the means for accessing includes

2 means for selecting a preference setting according to an ultimate recipient of the object.

1 34. A method according to claim 33, wherein the means for selecting includes

2 second means for selecting a user preference setting according to the ultimate recipient if the

3 user preference setting exists.

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1 35. A method according to claim 34, wherein the second means for selecting

2 includes means for checking to see if the ultimate recipient of the object is registered with the

3 Scalable Interface system.

1 36. A method according to claim 33, wherein the means for selecting includes

2 means for selecting a default routing according to the ultimate recipient if no user preference

3 setting exists.

1 37. A method according to claim 31, wherein the means for routing includes

2 means for sending the object to a destination.

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1 38. A method according to claim 31, wherein the means for routing includes:

2 means for determining at least two destinations for the object; and

3 means for placing a sequence object in the space in the Scalable Interface system for a

4 sequence agent to sequentially route the object to each destination for the object until the

5 object is received.

1 39. A method according to claim 31, wherein the means for routing includes:

2 means for determining at least two destinations for the object; and

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3 means for placing a broadcast object in the space in the Scalable Interface system for
4 a broadcast agent to broadcast the object to each destination for the object until the object is
5 received.